gamma/ XL Series

Automatic Degassing for Critical Applications!

NSF®

Certified to
NSF/ANSI 61

*The new **gamma/ XL** is a solenoid metering pump with predictive intelligence. Thanks to its controlled solenoid drive with sensor-free pressure measurement, it detects hydraulic faults even in the case of minimal deviations – immediately and optimally matching its output to the pressure conditions and properties of the medium while protecting the pump and piping systems from overload situations. The **gamma/ XL** covers a capacity range of **2.0 GPH** at **363 PSIG** to **21.1 GPH** at **29 PSIG** (depending on pump version).*

Features & Benefits

- Electronic stroke length adjustment via click wheel
- Volume adjustment in GPH or LPH
- Manual, Analog, Contact and Batch modes optional
- Integrated system pressure measurement
- BUS interfaces such as Profibus, CANbus, PROFINET and Modbus
- High visibility of LED-indicator lights
- Large illuminated display
- Analog output for stroke length and stroke rate transmission
- Auto compensates programmed feed rates during back pressure fluctuations
- As low as 1 mL/hr continuous feed rate with regulated solenoid drive

- Turn down ratio up to 40,000:1
- Integrated pressure measurement and display
- Available diaphragm rupture indicator
- Integrated 7-day timer
- Detects Overpressure/ No Pressure (broken discharge line) and gas in the liquid end
- Automatically sets optimal speed and stroke based on GPH settings (when set to automatic)
- New configurable input/output
- gamma/ XL and delta footprints are identical
- NSF/ANSI 61 Approved Liquid Ends

gamma/ XL Series

Technical data

Capacity Data											
Pump Version	Capacity at Maximum Backpressure					Max. Stroking Rate	Tubing Connectors O.D. x I.D		Suction Lift		Shipping Weight lbs
	PSIG	(bar)	GPH*	(L/H)	ml/stroke	Strokes/min	in		ft**	(m)**	NPE/NPB/PVT	SS
gamma/ XL with standard liquid ends												
2508	363	(25)	2.0	(8.0)	0.67	200	3/8" x 1/4" (1/2" MNPT dis.only)		16.4	(5)	22.0	24.25
1608	232	(16)	2.0	(8.0)	0.67	200	3/8" x 1/4"		16.4	(5)	22.0	24.25
1612	232	(16)	3.17	(12)	1.00	200	3/8" x 1/4"		19.6	(6)	22.0	24.25
1020	145	(10)	5.3	(20)	1.70	200	1/2" x 3/8"		16.4	(5)	22.0	24.25
0730	102	(7)	7.9	(30)	2.50	200	1/2" x 3/8"		16.4	(5)	22.0	24.25
0450	58	(4)	13.2	(50)	4.20	200	5/8" ID hose barb standard***		9.8	(3)	22.0	24.25
0280	29	(2)	21.0	(80)	6.70	200	5/8" ID hose barb standard***		6.5	(2)	22.0	24.25
gamma/ XL with self-bleeding liquid ends, 2-port without bypass (PVT7)												
1608	145	(10)	1.85	(7)	0.60	200	1/2" x 3/8"		5.9	(1.8)	22.0	-
1612	145	(10)	2.64	(10)	0.80	200	1/2" x 3/8"		5.9	(1.8)	22.0	-
1020	145	(10)	3.96	(15)	1.25	200	1/2" x 3/8"		5.9	(1.8)	22.0	-
0730	102	(7)	7.26	(27.5)	2.30	200	1/2" x 3/8"		5.9	(1.8)	22.0	-

Positive suction is recommended on pumps with 1/2" MNPT connections.

gamma/ XL metering pumps with high viscosity liquid ends (PVT 4) have a 10 – 20 % lower capacity rating and are not self-priming.

Permissible ambient temperature: 14 °F to 113 °F | Average power consumption: 78 W | Degree of protection: IP 66

Repeatability ± 2% when utilized and installed per operating instructions

* Capacity data represents minimum values, tested using water at 68 ºF (room temperature)

** Suction lift with pre-primed suction line and liquid end

*** (1/2" MNPT optional)

Liquid end materials in contact with media					
Version	Liquid End	Suction/ discharge valve	Ball seat	Seals	Balls
NPT	Acrylic	PVC	PVDF	PTFE	Ceramic
PVT	PVDF	PVDF	PVDF	PTFE	Ceramic
NPE	Acrylic	PVC	PVDF	EPDM	Ceramic
NPB	Acrylic	PVC	PVDF	FKM	Ceramic
SST	316 SST	316 SST	Ceramic	PTFE	Ceramic
SST (DN10)	316 SST	316 SST	PTFE with carbon	PTFE	Ceramic

Note: PVT7 versions have PVDF / PTFE wetted parts. Diaphragm with a PTFE face

FKM = fluorine rubber